

# TurboDraft™

FIRE E D U C T O R

by Schutte & Koerting

## Lakefront House Fire

DISTANCE: 50'  
LIFT: 18'  
LOCATION: SOUTHERN MICHIGAN  
CHALLENGE: DISTANCE AND LIFT TOO GREAT FOR TRADITIONAL DRAFTING TECHNIQUES

The following photos were from a working house fire on April 23, 2005. This was a million dollar house on a dead end driveway that has a lake on both sides of the house. Note that water supply engine was providing water from the lake with one TurboDraft with approx. 18 foot lift with 50 foot of 5" supply hose and then they kept the fold-a-tank full for the attack engine fighting the fire. That Fire Department is picking



up their suction hose that they could not get a draft from the lake at the same location as the TurboDraft due to the lift. The West end of the structure was fully engulfed when they arrived and there was a 25 mile per hour wind out of the North. The Fire Department ran out of water during their initial attack and was waiting for another Fire Department to arrive to supply the attack engine from the lake. Due to the tight road conditions a water shuttle was not safe. All the attack lines were supplied by one TurboDraft. The crews were able to stop the fire at the center of the structure which was an indoor pool area, 2 stories and which was connected to the East end structure which was an additional 2 story house. There were 5 fire departments on scene to put this fire under control with only one TurboDraft being used to supply all the attack engines being used.

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All lines being water supply from one TurboDraft supply. One-half of the million dollar home West end.



No way to do a water shuttle due to tight driveway and dead end at lake.



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First in engine tried to pull a draft from the lake with suction hose and was unable to do so due to high lift and distance away from lake.



The lake and distance from water that they could not draft from but we used a TurboDraft in the same area behind this engine.



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Shows where the fire was stopped after water was provided by the TurboDraft.



The red engine is drafting from the portable tank and then supplying the hand lines. The tank is being supplied by another engine with one TurboDraft from the lake.



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Red engine is drafting from fold-a-tank for attack lines and the yellow engine is TurboDrafting and supplying the water to the fold-a-tank.



Close-up of the water supply from the yellow engine which was TurboDrafting.



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Blue ball in water shows the one TurboDraft floating in the lake down an 18 foot drop from the front suction of the yellow engine. This is one 50 foot section of 5" and one 50 foot section of 2-1/2" with 18 foot of lift.



Hose from the supply engine going down to the lake.



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TurboDraft going to the front suction of yellow engine and the house burning in the background.



The fold-a-tank is being filled from the TurboDraft engine.



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There is no room left in roadway from mutual aid equipment.



Supply lines going up the driveway to the fold-a-tank of the attack engine.



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Shows the attack engine drafting from the fold-a-tank which is the only water supply unit being used without any tanker shuttle - only one TurboDraft.



This is the South side of the house showing how close the house was to the lake but was not able to use the water on this side of the house without the TurboDraft.

